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(WO/2001/005854) CURABLE COMPOSITION

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Title: CURABLE COMPOSITION

Abstract: A curable composition which comes to have a color having a high color density, is decolored at a high rate has satisfactory photochromic properties, and gives a photochromic cured object excellent in base material properties including hardness, heat resistance, and impact resistance. The composition comprises a polymerizable monomer having a Rockwell hardness as measured on scale L of 40 or lower, a bifunctional polymerizable monomer having a Rockwell hardness as measured on scale L of 60 or higher, a polyfunctional polymerizable monomer having a Rockwell hardness as measured on scale L of 60 or higher, and a photochromic compound.

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(54) Title: CURABLE COMPOSITION

(54) 発明の名称: 硬化性組成物

(57) Abstract: A curable composition which comes to have a color having a high color density, is decolored at a high rate, has satisfactory photochromic properties, and gives a photochromic cured object excellent in base material properties including hardness, heat resistance, and impact resistance. The composition comprises a polymerizable monomer having a Rockwell hardness as measured on scale L of 40 or lower, a bifunctional polymerizable monomer having a Rockwell hardness as measured on scale L of 60 or higher, a polyfunctional polymerizable monomer having a Rockwell hardness as measured on scale L of 60 or higher, and a photochromic compound.

(57) 要約:

本発明は、発色濃度が高く、退色速度が速く、良好な
フォトクロミック特性を示し、さらにその硬化体の硬度、
耐熱性、耐衝撃性といった基材特性が優れるフォトクロ
ミック硬化体を提供する。

本発明によれば、Lスケールでロックウエル硬度が 4
0 以下の重合性単量体、Lスケールでロックウエル硬度
が 60 以上の 2 官能性重合性単量体、Lスケールでロッ
クウエル硬度が 60 以上の多官能性重合性単量体、及び
フォトクロミック化合物を含有する硬化性組成物が提
供される。



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